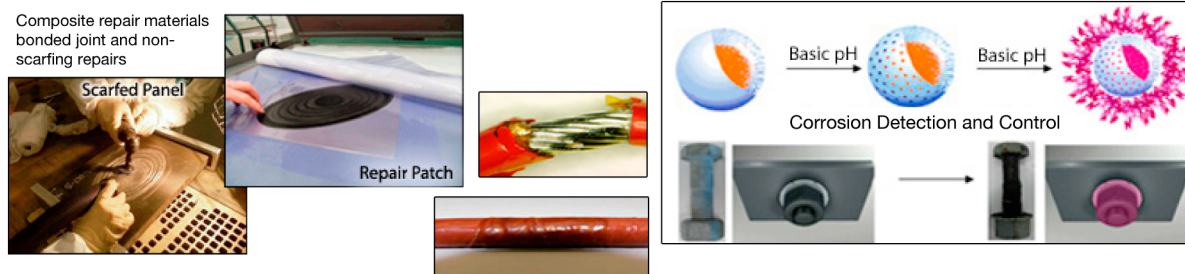




## Materials for Life Cycle Optimization

*NASA KSC is seeking partners in joint technology development projects and technology commercialization in the field of materials for life cycle optimization.*



**Objective:** Develop and commercialize technologies to address NASA's challenges and US National Priorities through strategic partnerships with industry, academia, other Government agencies, and national laboratories.

### Technology Areas:

- ♦ Nondestructive evaluation (NDE) damage detection
- ♦ Corrosion detection and control
- ♦ Self-repair and self-healing systems
- ♦ Thermal insulation materials and systems
- ♦ Electrostatic dust mitigation
- ♦ Electrostatic dissipative technologies
- ♦ Electroactive polymers for lightweight actuators
- ♦ Long-life materials for extreme environments
- ♦ Flame-retardant polymeric materials
- ♦ Polymeric materials with expanded temperature range
- ♦ Verification test methods for materials
- ♦ Structural health monitoring
- ♦ Novel conductive polymeric materials

### Technology Capabilities:

- ♦ Applied Physics Laboratory
- ♦ Polymer Science and Technology Laboratory
- ♦ Nondestructive Evaluation Laboratory
- ♦ Materials Failure Analysis Laboratory
- ♦ Electrostatics and Surface Physics Laboratory
- ♦ Electromagnetic Effects Laboratory
- ♦ Corrosion Technology Laboratory
- ♦ Chemical Test and Analysis Laboratory
- ♦ Applied Chemistry Laboratory

Please contact us if you are interested in collaborating with KSC on joint development projects.

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partnerships